

Algebra 1-2

Chapter 8 Day 2 Notes

Name: _____

Date: _____

Remember distributing?! Good times... let's bring it back and simplify the following expressions.

$$7(x + 1)$$

$$3(2x^2 - 5x + 3)$$

$$-4(2 - y)$$

$$2pa(5p^3 + 8p^2a + 10p - 1a)$$

$$3n(4n^2 + 5n)$$

$$-7y^3(4y^2 + y - 3)$$

Hold up... what's different about this example?

$$(2x + 1)(x + 4)$$

We're going to have to use the

Rewrite as:

Distributive Property _____!!

Now simplify!

Do you want a different way to do that multiplication?? Try the **Box Method!!**

Let's look at the same problem: $(2x + 1)(x + 4)$

Separate the binomials so that each term has its own spot.

Multiply each pair, just like a Punnett square.

What do we notice about the diagonal?

Final answer: _____

Try it out!

$$(x + 5)(2x - 3)$$

Final answer: _____

$$(7 - y)(8y - 2)$$

Final answer: _____

Find the product. Either double distribute or use the box method.

$$(p - 2)(-p^2 - 3p + 5)$$

Final answer: _____

$$(3x + 4)(x^2 + x - 3)$$

Final answer: _____

$$(4f^2 - 3f - 1)(2f - 5)$$

Final answer: _____